

ABSTRACT

An object of the present invention is that calculates a suitable quantity of inventory based on forecast information. In the present invention, at first the conversion coefficients that are ratios of required quantities contained in the past forecast information to corresponding actual order quantities are calculated (S1, S2), the standard deviation of the conversion coefficients whose forecast LTs are the same are calculated (S3), the forecast LT which a value derived from its standard deviation (s/Ave) does not exceed a predetermined threshold is judged to be a valid forecast LTs (S4, S5), a forecast quantity of orders is calculated by multiplying a required quantity corresponding to valid forecast LTs by corresponding conversion coefficients (S6), a margin is calculated by performing an arithmetic operation using the required quantity corresponding to valid forecast LT and the standard deviation of the conversion coefficients corresponding thereto (S7), and the safe stock quantities is calculated by adding the forecast quantity of orders to the margin corresponding thereto (S8).